Department of Toxic Substances Control

Preventing environmental damage from hazardous waste, and restoring contaminated sites for all Californians.

State of California

California Environmental Protection Agency

Start Work Notification, October, 2006

A Pilot Study to Remediate Contaminated Soil and Groundwater at the Grove Site Set to Begin in October, 2006

Introduction

Beginning in October, 2006, a pilot remediation study for soil contaminated with pesticides, lead, and arsenic will be implemented at the Grove site. The Grove (referred to as the Site) is approximately 9.7 acres in size and is located at 3342 Humphrey Road, Loomis, California, 95650-9042. The Department of Toxic Substances Control (also known as DTSC) will oversee the pilot remediation study and Earthtec, Limited will conduct it. The pilot remediation study involves using bio-remediation and electrokinetics to remove pesticide contamination (for example DDE, DDD, DDT) and the metals lead and arsenic from approximately five cubic yards of Site soil. If these technologies work at reducing or eliminating contamination from the soil, then bio-remediation and electrokinetics will be considered as alternatives to cleaning up the rest of the soil contamination at the Site.

What is Bio-Remediation and Electrokinetics?

Bio-remediation is the use of organisms and/or microorganisms native to the Site to break down contaminants in soil. Electrokinetics involves applying an electrical current through the soil to mobilize the metals so they can be removed.

What Will I See?

You will see cars and trucks, equipment, and people mobilizing on the Site near the location of the treatment area. Staff on Site will clear vegetation so that an area of ground surface approximately ten feet by ten feet can be covered with plastic sheeting. Hay bales will be used to construct a containment structure, or cell, where the pilot study work will be conducted. The hay bales will be placed on the plastic sheeting and stacked so that the interior is approximately seven feet long, six feet wide and three feet high. Sand will be spread around the inside edge of the cell, then two additional layers of plastic sheeting will be used to cover the inside bottom and sides of it. Some of the most heavily contaminated soil from the Site will be dug up and placed in the cell. Metal rods will be installed and the microorganisms injected into the soil in the cell. The cell will be monitored and samples taken periodically to assess how well the technologies are working.

The pilot study treatment area will be fenced and the entrance will be locked. Work at the Site is expected to last approximately 45 days. Hours of operation will run Monday through Friday, 8:00 a.m. to 5:00 p.m. No interruption to foot or vehicle traffic on Humphrey Road is anticipated.

What Happens After The Pilot Study Treatment Activities Are Completed?

A report on the findings of the pilot remediation study will be submitted to DTSC for review. If the pilot study treatment activity is successful, there is a good chance that it will be used to cleanup contamination at the rest of the Site.

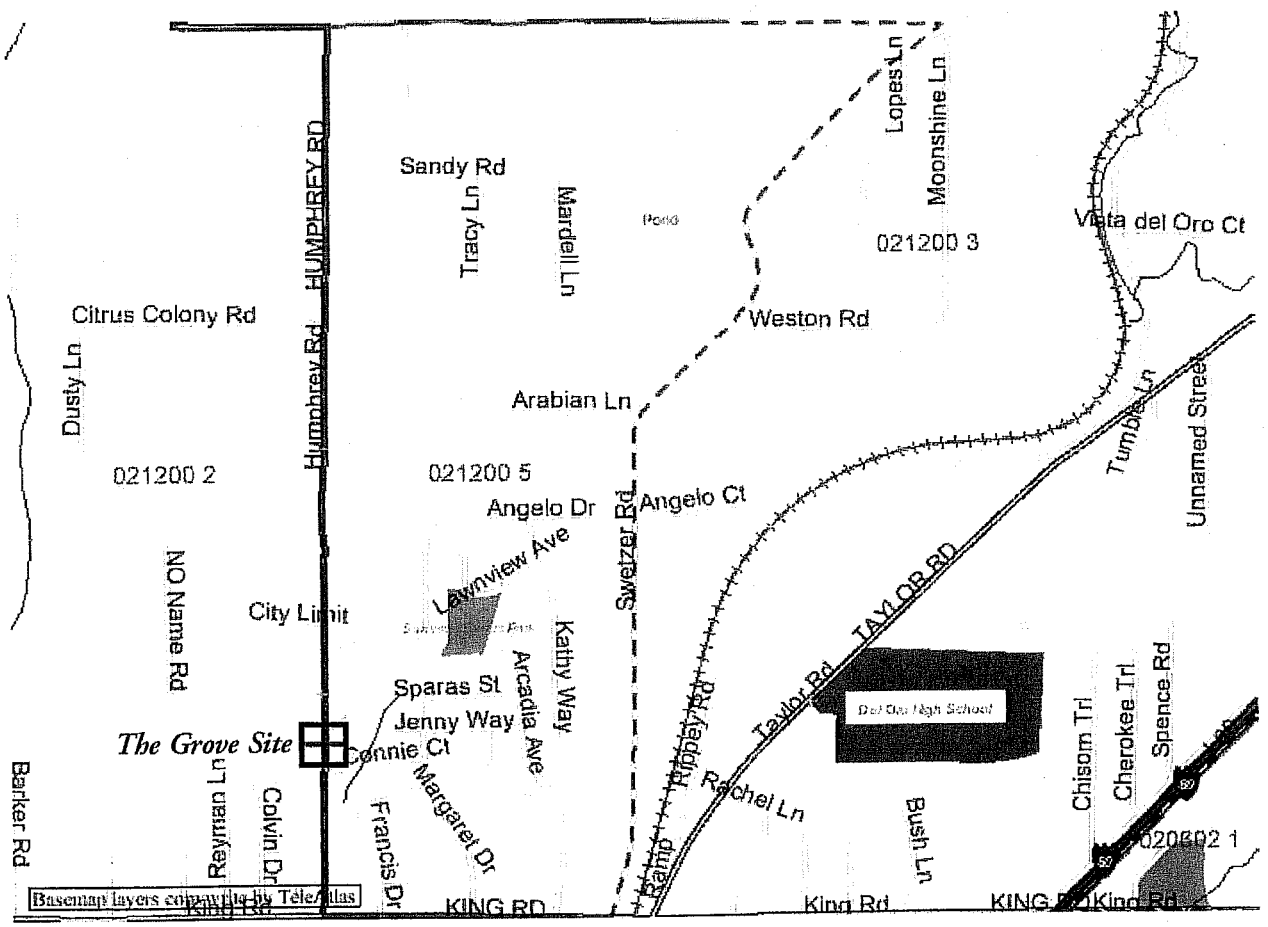
A draft version of the cleanup plan will be released for public review and comment before any final work is done at the Site. A fact sheet announcing the public comment period will be sent to the mailing list and a public notice will run in the Roseville Press Tribune newspaper.

More Information
Specific information about the pilot remediation study can be found in the *Revised Work Plan For Pilot Remediation And Verification Sampling, Earthtec, July 14, 2006* (referred to as the Plan). The Plan can be reviewed online at www.envirostor.dtsc.ca.gov/public/search.asp?basic=true. Once there, type in the name 'grove subdivision' in the site name block and hit enter. Double click on the words 'grove subdivision' and you'll be taken to the appropriate section. The Plan can also be reviewed at the Department of Toxic Substances Control's office located at 8800 Cal Center Drive, Sacramento, California. Please contact Ms. Bobbi Jensen at (916) 255-3779 if you wish to review documents at the Sacramento office. If you would like to learn more about the Department of Toxic Substances Control, please visit us at www.dtsc.ca.gov.

Questions?
If you have questions about the pilot remediation study or the Plan, please contact Mr. Perry Myers, DTSC Project Manager, by phone (916) 255-3708 or by email at pmyers@dtsc.ca.gov. You may also contact Ms. Heidi Nelson, DTSC Public Participation Specialist at (916) 255-3575 or toll free at (866) 495-5651. Ms. Nelson can be reached by email at hnelson@dtsc.ca.gov.

Media Inquiries
Members of the press are requested to contact Carol Singleton, Public Information Officer, Department of Toxic Substances Control by phone at (916) 255-6578 or by email at csinglet@dtsc.ca.gov.

Notice to Hearing Impaired
You can obtain additional information by using the California State Relay service at 1-888-877-5378 (TDD). Ask them to contact Mr. Perry Myers at (916) 255-3708.



Map Not To Scale